

AP7 Rec'd PCT/PTO 08 FEB 2006 #4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of  
SALEH OSMAN ET AL

Atty. Docket  
PHUS020556

Serial No. 10/538,633

Filed: June 10, 2005

PRESERVING LINEARITY OF AN ISOLATOR-FREE POWER AMPLIFIER BY  
DYNAMICALLY ADJUSTING BIAS AND SUPPLY OF ACTIVE DEVICES

Commissioner for Patents  
Alexandria, VA 22313-1450

RECEIVED

22 MAR 2006

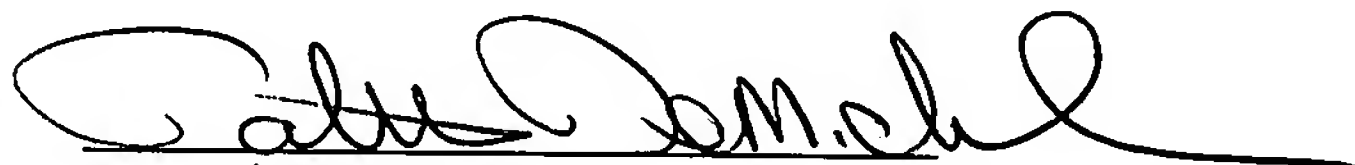
MAILING CERTIFICATE UNDER 37 CFR 1.8(a)

Sir:

Legal Staff  
International Division

I hereby certify that this correspondence (Petition,  
Declaration of Facts Regarding Inventor's Unavailability) is being  
deposited with the United States Postal Service as first class mail  
in an envelope addressed to: Commissioner for Patents, PO Box 1450,  
Alexandria, VA 22313-1450, on February 6, 2006.

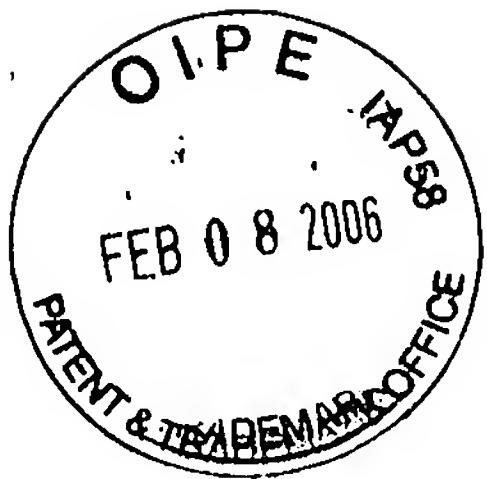
By:

  
Patti DeMichele

Date:

Feb. 6, 2006

02 FEB 13 11 2:00



#4

IN THE UNITED STATES PATENT & TRADEMARK OFFICE

In re Application of

Atty. Docket

SALEH OSMAN ET AL

PHUS020556

Serial No. 10/538,633

Filed: June 10, 2005

Title: PRESERVING LINEARITY OF AN ISOLATOR-FREE POWER AMPLIFIER  
BY DYNAMICALLY ADJUSTING BIAS AND SUPPLY OF ACTIVE  
DEVICES

Commissioner for Patents  
Alexandria, VA 22313-1450

**PETITION TO FILE APPLICATION ON BEHALF OF CO-INVENTOR  
WHO IS UNAVAILABLE UNDER 37 C.F.R. §1.47**

Sir:

Koninklijke Philips Electronics, N.V., the owner (by assignment and operation of law) of the invention embodied in the above-referenced patent application, hereby petitions to file the accompanying application on behalf of Saleh Osman. Mr. Osman is a co-inventor of the present application. Mr. Osman conceived the subject matter of this invention while employed by Koninklijke Philips Electronics, N.V.

As more fully set forth in the accompanying "Declaration of Facts Regarding Inventor's Unavailability," several unsuccessful attempts have been made to locate and contact Mr. Osman (e.g., certified mailings, multiple telephone calls on multiple occasions, attempts to email, etc.).

Therefore, Koninklijke Philips Electronics, N.V., on behalf of Mr. Osman hereby petitions the Patent Office, pursuant to 37 C.F.R. § 1.47, to allow Koninklijke Philips Electronics, N.V. to file this application on Mr. Osman's behalf.

04/14/2006 CSN001 00000007 141270 10538633  
Sales Office: 02-2000007 DAA: 141270 10538633  
01 FC:1617 130.00 DA

As per **37 CFR 1.47(a)** and **35 U.S.C. 116**, second paragraph, all available joint inventors are required to file an application "on behalf of" themselves and on behalf of a joint inventor who "cannot be found or reached after diligent effort" or who refuses to "join in an application."

Additionally, according to 35 U.S.C. 111(a) and 115, an application deposited in the U.S. Patent and Trademark Office pursuant to **37 CFR 1.47(a)** must meet the following requirements:

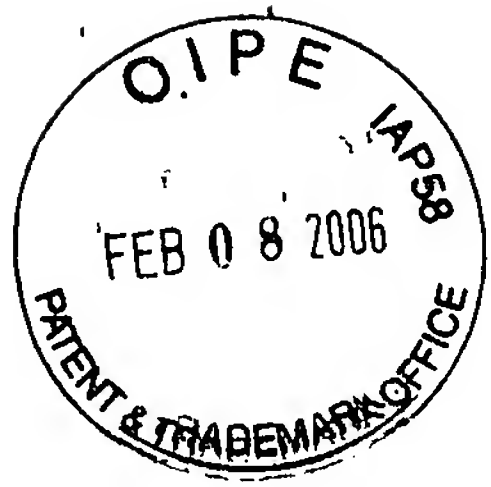
- A) All the available joint inventors must (1) make oath or declaration on their own behalf as required by **37 CFR 1.63** or 1.175 (see **MPEP § 602**, **§ 605.01**, and **§ 1414**) and (2) make oath or declaration on behalf of the nonsigning joint inventor as required by **37 CFR 1.64**. An oath or declaration signed by all the available joint inventors with the signature block of the nonsigning inventor(s) left blank may be treated as having been signed by all the available joint inventors on behalf of the nonsigning inventor(s), unless otherwise indicated.
- (B) The application must be accompanied by proof that the nonsigning inventor (1) cannot be found or reached after diligent effort or (2) refuses to execute the application papers. See **MPEP § 409.03(d)**.
- (C) The last known address of the nonsigning joint inventor must be stated. See **MPEP § 409.03(e)**.

With respect to **37 CFR 1.47(a)(A)**, enclosed please find an executed declaration by Richard F. Keenan and Jaroslaw Lucek—the available joint inventors. With respect to **37 CFR 1.47(a)(B)**, the enclosed declaration of facts regarding inventor's unavailability provides proof the nonsigning inventor cannot be found or reached after diligent effort. Finally, with respect to **37 CFR 1.47(a)(C)**, Mr. Osman's last known address is 2906 Village Road West, Norwood, MA 02062.

Respectfully submitted,



Aaron Waxler, Reg.No. 48, 027  
Attorney



**IN THE UNITED STATES PATENT & TRADEMARK OFFICE**

In re Application of

Atty. Docket

SALEH OSMAN ET AL

PHUS020556

Serial No. 10/538,633

Filed: June 10, 2005

Title: PRESERVING LINEARITY OF AN ISOLATOR-FREE POWER  
AMPLIFIER BY DYNAMICALLY ADJUSTING BIAS AND SUPPLY  
OF ACTIVE DEVICES

Commissioner for Patents  
Alexandria, VA 22313-1450

**DECLARATION OF FACTS REGARDING INVENTOR'S UNAVAILABILITY**

I Dicran Halajian hereby declare that:

I prepared the above-referenced patent application.

A copy of the patent application, drawings, declaration, and assignment were emailed to the co-inventors for review and comment. However, Mr. Saleh Osman is no longer employed by Koninklijke Philips Electronics, N.V., and all attempts to contact Mr. Osman have failed.

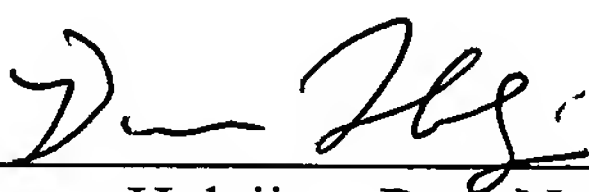
Multiple attempts were made to call Mr. Osman at the last known phone number. Multiple messages were left on an answering machine. No return call was received from Mr. Osman.

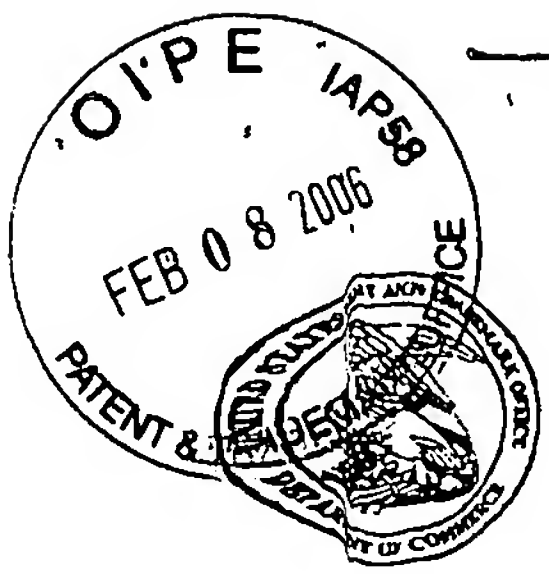
On December 12, 2002, October 24, 2003, March 5, 2004 and June 9, 2005, the application packet, including declaration and assignment, were sent to Mr. Osman's last known address via Federal Express. Mr. Osman has not returned the documents to Koninklijke Philips Electronics, N.V.

Mr. Osman's last known address is 2906 Village Road West, Norwood, MA  
02062.

I hereby declare that all statements made herein of my own knowledge are true  
and that all statements made on information and belief are believed to be true; and further  
that these statements were made with the knowledge that willful false statement and the  
like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title  
18 of the United States Code and that such willful false statements may jeopardize the  
validity of the application or any patent issued thereon.

6/9/05  
Date

  
Dicran Halajian, Reg. No. 39,703



## UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

WAX PCT\$

U.S. APPLICATION NUMBER NO.

10/538,633

FIRST NAMED APPLICANT

Saleh Osman

ATTY. DOCKET NO.

PHUS020556

INTERNATIONAL APPLICATION NO.

PCT/IB03/05939

I.A. FILING DATE

12/10/2003

PRIORITY DATE

12/12/2002

2477

PHILIPS INTELLECTUAL PROPERTY & STANDARDS  
P.O. BOX 3001  
BRIARCLIFF MANOR, NY 10510

CONFIRMATION NO. 6931

371 FORMALITIES LETTER



\*OC000000017574707\*

Date Mailed: 12/05/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 06/10/2005
- Copy of the International Search Report filed on 06/10/2005
- Preliminary Amendments filed on 06/10/2005
- Oath or Declaration filed on 06/10/2005
- U.S. Basic National Fees filed on 06/10/2005
- Priority Documents filed on 06/10/2005

DOCKETED	DATE	INITIAL
COMPUTER	PC	DEC 08 2005
SECRETARY		
ATTORNEY	2/4/06	R

The applicant needs to satisfy supplemental fees problems indicated below.

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- To avoid abandonment, a surcharge (for late submission of filing fee, search fee, examination fee or oath or declaration) as set forth in 37 CFR 1.492(h) of \$130 for a non-small entity, must be submitted with the missing items identified in this letter.

**SUMMARY OF FEES DUE:**

Total additional fees required for this application is \$130 for a Large Entity:

- \$130 Surcharge.

**ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.**

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

JOHN L ANDERSON

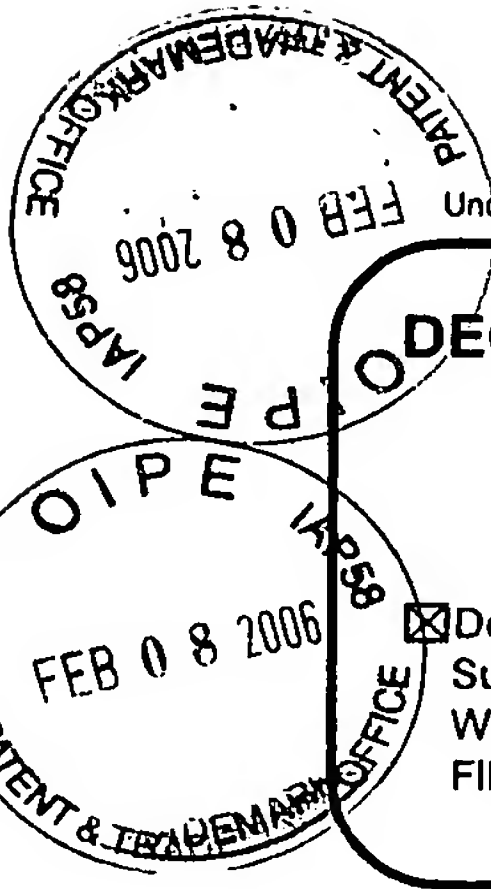
Telephone: (703) 308-9140 EXT 211

**PART 1 - ATTORNEY/APPLICANT COPY**

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/538,633	PCT/IB03/05939	PHUS020556

FORM PCT/DO/EO/905 (371 Formalities Notice)





**DECLARATION FOR UTILITY OR  
DESIGN  
PATENT APPLICATION  
(37 CFR 1.63)**

☒ Declaration Submitted With Initial Filing      OR      ☐ Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)

Attorney Docket Number	PHUS020556
First Named Inventor	SALEH OSMAN
<b>COMPLETE IF KNOWN</b>	
Application Number	/
Filing Date	
Group Art Unit	
Examiner Name	

As a below named inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**PRESERVING LINEARITY OF AN ISOLATOR-FREE POWER AMPLIFIER BY  
DYNAMICALLY ADJUSTING BIAS AND SUPPLY OF ACTIVE DEVICES**

the specification of which (Title of the Invention)

☒ Is attached hereto

OR

☐ was filed on (MM/DD/YYYY) as United States Application Number or PCT International

Application Number and was amended on (MM/DD/YYYY) (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims as amended specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the national or PCT International filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. 119(a)-(d) or (f), or 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or of any PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY) Country	Priority Not Claimed	Certified Copy Attached?	
				YES	NO
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority data sheet PTO/SB/02B attached hereto:



## DECLARATION — Utility or Design Patent Application

Direct all correspondence to: ☒ Customer Number or Bar Code Label \*24737\* OR ☒ Correspondence address below

Philips Electronics North America Corporation

Name

P.O. BOX 3001

Address

BRIARCLIFF MANOR

City

NY

State

10510

ZIP

U.S.A.

Country

(914) 945-6000

Telephone

(914) 332-0615

Fax

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

NAME OF SOLE OR FIRST INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any]) SALEH

Family Name  
or Surname OSMAN

Inventor's  
Signature

Date

NORWOOD

Residence: City

MA

State

USA

Country

GREAT BRITAIN

Citizenship

2906 VILLAGE ROAD WEST

Mailing Address

NORWOOD

City

MA

State

02062

Zip

USA

Country

NAME OF SECOND INVENTOR:

☐ A petition has been filed for this unsigned inventor

Given Name  
(first and middle [if any]) RICHARD F.

Family Name  
or Surname KEENAN

Inventor's  
Signature

Date

MEDWAY

Residence: City

MA

State

USA

Country

USA

Citizenship

280 VILLAGE STREET UNIT G1

Mailing Address

MEDWAY

City

MA

State

02053

Zip

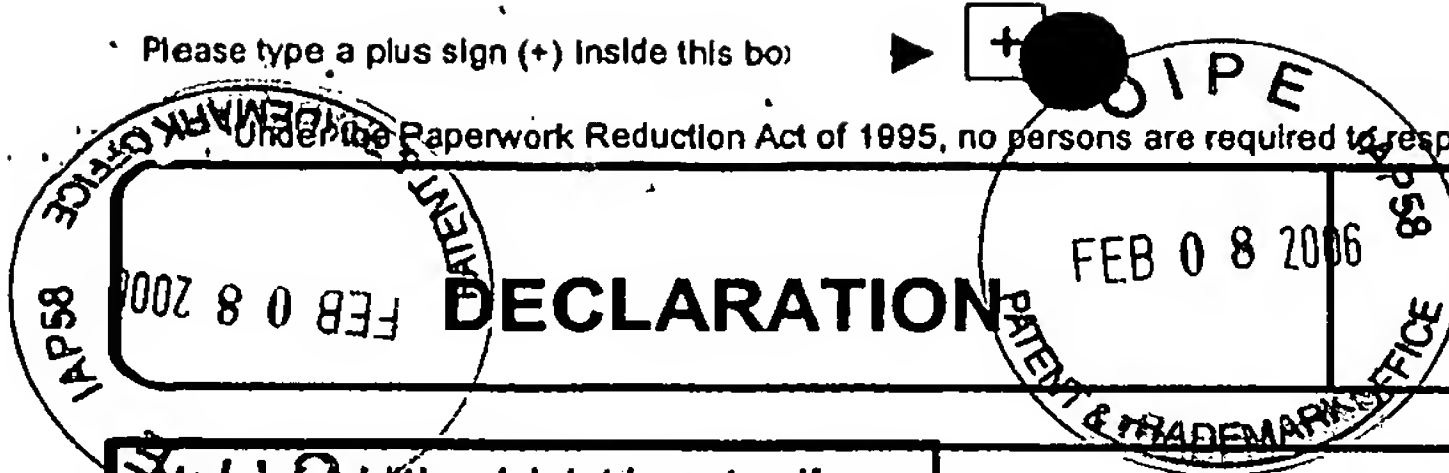
USA

Country

☐ Additional Inventors are being named on the 1<sup>ST</sup> PAGE supplemental Additional Inventor(s) sheet(s) PTO/SB/02A attached hereto.

Please type a plus sign (+) inside this box

Approved for use on 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE  
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.**DECLARATION**
**ADDITIONAL INVENTOR(S)**  
 Supplemental Sheet  
 Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
JAROSLAW		LUCEK	
Inventor's Signature		Date	
Residence: City	CUMBERLAND	State	RI
Country	USA	Citizenship	USA
Mailing Address 40 GREEN MEADOW LANE			
Mailing Address			
City	CUMBERLAND	State	RI
ZIP	02864	Country	USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
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Zip		Country	
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Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
Residence: City		State	
Country		Citizenship	
Mailing Address			
Mailing Address			
City		State	
Zip		Country	

Burden Hour Statement: This form is estimated to take 21 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.



<b>DECLARATION FOR UTILITY OR DESIGN PATENT APPLICATION (37 CFR 1.63)</b>  <input checked="" type="checkbox"/> Declaration Submitted With Initial Filing      OR <input type="checkbox"/> Declaration Submitted after Initial Filing (surcharge (37 CFR 1.16 (e)) required)	Attorney Docket Number	PHUS020556
	First Named Inventor	SALEH OSMAN
	<b>COMPLETE IF KNOWN</b>	
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				YES	NO
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			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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(914) 945-6000

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(914) 332-0615

**Fax**

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☐ A petition has been filed for this unsigned inventor

**Given Name**  
(first and middle [if any]) SALEH

**Family Name**  
or Surname OSMAN

**Inventor's**  
**Signature**

**Date**

NORWOOD

**Residence: City**

MA

**State**

USA

**Country**

GREAT BRITAIN

**Citizenship**

2906 VILLAGE ROAD WEST

**Mailing Address**

NORWOOD

**City**

MA

**State**

02062

**Zip**

USA

**Country**

**NAME OF SECOND INVENTOR:**

☐ A petition has been filed for this unsigned inventor

**Given Name**  
(first and middle [if any]) RICHARD F.

**Family Name**  
or Surname KEENAN

**Inventor's**  
**Signature**

**Date**

MEDWAY

**Residence: City**

MA

**State**

USA

**Country**

USA

**Citizenship**

280 VILLAGE STREET UNIT G1

**Mailing Address**

MEDWAY

**City**

MA

**State**

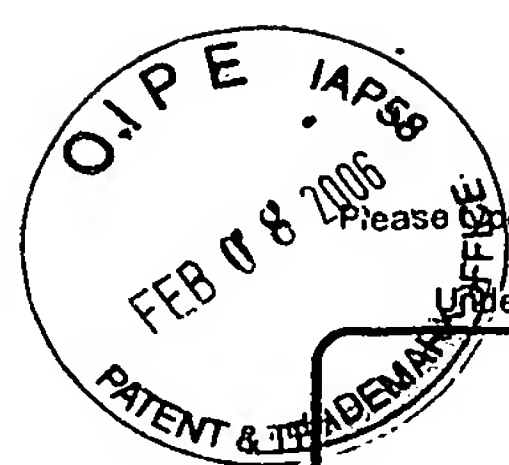
02053

**Zip**

USA

**Country**

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Please type a plus sign (+) inside this box →



PTO/SB/02A (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

## DECLARATION

ADDITIONAL INVENTOR(S)  
Supplemental Sheet  
Page 1 of 1

Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
JAROSLAW		LUCEK	
Inventor's Signature <i>J Jaroslaw Lucek</i>		Date <i>12-04-03</i>	
Residence: City <del>CUMBERLAND</del> <i>GREENSBORO</i>	State <del>RT</del> <i>NC</i>	Country USA	Citizenship USA
Mailing Address <i>40 GREEN MEADOW LANE 307 TOWER LN</i>			
Mailing Address			
City <del>CUMBERLAND</del> <i>GREENSBORO</i>	State <del>RT</del> <i>NC</i>	ZIP <del>02864</del> <i>27410</i>	Country USA
Name of Additional Joint Inventor, if any:		<input type="checkbox"/> A petition has been filed for this unsigned inventor	
Given Name (first and middle [if any])		Family Name or Surname	
Inventor's Signature		Date	
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Mailing Address			
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Inventor's Signature		Date	
Residence: City	State	Country	Citizenship
Mailing Address			
Mailing Address			
City	State	Zip	Country

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